

Claims

[c1] What is claimed is:

1.A method for eliminating noise, wherein video/audio signals are transmitted to a voice processing circuit, and then said video/audio signals are outputted to a speaker through a voice amplifier, said method comprising:
(1)inputting a voltage to said voice processing circuit from a power supply unit;
(2)using a voltage monitoring circuit to detect said input voltage and compare said input voltage with a default value; and
(3)outputting a control signal to shut off said voice amplifier when said voltage value is smaller than said default value.

[c2] 2.The method for eliminating noise according to claim 1, wherein said voice amplifier is maintained turned on when said input voltage greater than said default value.

[c3] 3.The method for eliminating noise according to claim 1, wherein said default value can be adjusted according to a product.

[c4] 4.The method for eliminating noise according to claim 1,

further comprising a step: receiving said video/audio signals through a tuner.

- [c5] 5. The method for eliminating noise according to claim 1, further comprising a step: receiving said video/audio signals from different sources through a voice switch.
- [c6] 6. A noise eliminating apparatus, comprising:
 - a voice processing circuit for processing and receiving video/audio signals;
 - a voice amplifier for amplifying audio signals of said voice processing circuit;
 - at least one speaker for outputting said amplified audio signal;
 - a power supply unit for providing a input voltage to said voice processing circuit; and
 - a voltage monitoring circuit, installed at an output of said power supply unit and used for detecting said input voltage from said power supply unit to control the on and off of said voice processing circuit.
- [c7] 7. The noise eliminating apparatus according to claim 6, further comprising a tuner for receiving video/audio signals and then inputting said signals into said voice processing circuit.
- [c8] 8. The noise eliminating apparatus according to claim 6,

further comprising a voice switch for receiving video/audio signals from different sources and then inputting said signals into said voice processing circuit.

- [c9] 9. The noise eliminating apparatus according to claim 6, wherein said voltage monitoring circuit has an adjustable default voltage value used for a comparison standard to said input voltage from said power supply unit.
- [c10] 10. The noise eliminating apparatus according to claim 9, wherein said voltage monitoring circuit shuts off said voice processing circuit when said input voltage is smaller than said default value.
- [c11] 11. A voltage monitoring circuit, comprising:
 - a voltage dividing circuit, comprising a plurality of resistors for deciding a default voltage value output from a voltage dividing nodal point;
 - a voltage reference circuit, connected to said voltage dividing nodal point and having at least one zener diode, a transistor being controlled by the voltage of said zener diode to form a reference voltage of said nodal point of said voltage reference circuit;
 - a control circuit, connected to a nodal point of said voltage reference circuit, controlling another transistor to output a high or low voltage.

- [c12] 12. The voltage monitoring circuit according to claim 11, wherein said resistors have at least one variable resistor.
- [c13] 13. The voltage monitoring circuit according to claim 11, wherein said voltage reference circuit consists of a switch device for switching said zener diode.
- [c14] 14. The voltage monitoring circuit according to claim 11, wherein a resistor is connected behind said zener diode.
- [c15] 15. The voltage monitoring circuit according to claim 11, wherein said control circuit outputs a high or low voltage to a voice amplifier.
- [c16] 16. The voltage monitoring circuit according to claim 11, wherein said control circuit comprises at least one resistor.